

CLAIM AMENDMENTS

1-17. (Cancelled).

18. (Currently Amended) A method of ~~using an implantable electrical stimulator to treat~~ treating angina pectoris, comprising electrically stimulating ~~an intercostal nerve or a cutaneous intercostal nerve branch with~~ electrical stimulation pulses at a frequency less than 100 Hz ~~an implanted stimulator so as to treat said angina pectoris, wherein said stimulating comprises electrical stimulation pulses at a frequency less than 100 Hz.~~

19. (Currently Amended) The method of Claim 18 ~~32~~, wherein said stimulator is a self-contained unit ~~that is sized and shaped for placement of the entire stimulator adjacent to a nerve,~~ said method further comprising implanting said entire stimulator adjacent said ~~intercostal nerve or~~ said intercostal nerve branch.

20. (Currently Amended) The method of Claim 18, further comprising sensing one or more aspects of a patient's condition and adjusting ~~electrical stimulation provided with said stimulator~~ said electrical stimulation pulses in response thereto.

21. (Previously Presented) The method of Claim 20, wherein said at least one aspect of a patient's condition is any of blood oxygen level, electrical activity of the patient's heart, patient activity level, respiratory rate, medication level, neurotransmitter level, hormone level, interleukin level, cytokine level, lymphokine level, chemokine level, growth factor level and enzyme level.

22-23. (Cancelled).

24. (Currently Amended) The method of Claim 18 ~~32~~, further comprising implanting said stimulator between two of a patient's ribs.

25. (Previously Presented) The method of Claim 24, wherein said two ribs are respectively located at T1, T2 or T3.

26. (Currently Amended) The method of Claim 18, ~~further comprising using~~ wherein said electrical stimulation pulses are generated by two or more implanted stimulators ~~to treat said angina pectoris.~~

27. (Currently Amended) The method of Claim 26, where each of said two or more implanted stimulators stimulates a different ~~intercostal nerve or~~ intercostal nerve branch.

28-29. (Cancelled).

30. (Currently Amended) The method of Claim 18, ~~further comprising stimulating with said pulses at a~~ wherein said frequency is less than 50 Hz.

31. (Previously Presented) The method of Claim 18, further comprising stimulating with said pulses at less than 1.5 mA.

32. (Newly Added) The method of Claim 18, wherein said electrical stimulation pulses are generated by an implantable electrical stimulator.

33. (Newly Added) The method of Claim 18, wherein said cutaneous intercostal nerve branch is a lateral cutaneous branch of an intercostal nerve.

34. (Newly Added) The method of Claim 18, wherein said cutaneous intercostal nerve branch is an anterior cutaneous branch of an intercostal nerve.